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			·		OTHER DO	CUMENTS (Includio	ng Author, Title, D	ate, Pertinent Pag	es, Etc.)	
MB		Patent Abs	tracts of Japan	1, Publication No	o. 07 -0 1527	4, Publication Date 0	1/17/1995, 2 pag	es		
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		E		U.S. PAT	ENT DOCUMENTS					
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M	Αĵ	5,894,251	04/13/1999	Taguch	i et al.	1	333	193	06/11/1997	
J)	A2	5,844,453	12/01/1998	Matsui	et al.			193	05/29/1996	
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75 A2	Scientific Publishing Comp. "SAW Properties of Si02/12 authors Kazubiko Yamanou as published in IEEE TRAN (7 pages)	ovember 20, 1978), any, Amsterdam (15 8° Y-X LIND03 Struchi (member IEEE) SACTIONS ON SO	thor, Title, Date, Pertinent F and Piezoelectric Leaky Surfact tithors Kazuhiko Yamanouchi, ication, Tohoku University, Sei as published in WAVE ELECT pages) cture Fabricated by Magnetroi, and Satoshi Hayama; NICS AND ULTRASONICS,	Ronji Iwahash ndai 980 (Japan RONICS, 3 (19	l and Kimio SI), (received Ju 79) 319-333; F chnique";	hibayama uly 15, 1978, Elsevier	
MINER	m		Taxasomics,	Volume SU-31,	Number 1, Jan	nuary 1984	
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75		B1	"Propagation and Ampli authors Kazuhiko Yama Communications, Tohok as published in JOURNA (7 pages)	L OF APPLIED	PHYSICS	Volume 43, Number 3,	March 1972	es in LiNb03" cal			
16		B2	"Temperature Dependence of the Elastic, Piezoelectric, and Dielectric Constraints of Lithium Tantalate and Lithium Niobate" authors R.T. Smith and F.S. Welsh of Bell Telephone Laboratories, Incorporated, Allentown Pennsylvania 18103 (received August 10. 1970) as published in JOURNAL OF APPLIED PHYSICS, Volume 42, Number 6, May 1971								
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7/5	"Determination of Elastic and Piezoelectric Constants for Crystals in Class (3m)" authors A.W. Warner, M. Onoe, and G.A. Coquin of Bell Telephone Laboratories, Incorporated, Murray Hill NJ 07971 as published in THE JOURNAL OF THE ACOUSTICAL SOCIETYOF AMERICA 1968 (received October 20, 1966) (9 pages)										
m	C	"Measurement of Elast Germanium Single Cry author H.J. McSkimin as published in JOURN (10 pages)	ic Constants at Lo stals, and for Fusi of Bell Telephone NAL OF APPLIEI	ow Temperatures by Means of Ultra: ed Silica" Laboratories, Murray Hill NJ (recei DPHYSICS, Volume 24, Number 8, .	sonic Waves-I ived January August 1953	Data for Silico 13, 1953)	n and				
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